TADIRAN VIC-500I

Digital Vehicular Intercommunication System

Elbit Systems™
Land and C4I

TADIRAN VIC-500I

Digital Vehicular Intercommunication System

Advanced, reliable and customizable digital intercommunication system for armour vehicles

The Tadiran VIC-500I is an advanced 4th generation digital vehicular intercommunication system, developed and marketed by Elbit Systems Land & C^4I-Tadiran. Meeting the most demanding operational scenarios and easily tailored to specific requirements, the Tadiran VIC-500I offers reliability and advanced functionality:

Basic Features

- Interface of 6 user terminal units (UTUs) and four HF/VHF/UHF radios
- Digital voice and data communications
- Software-based scalable system
- Headset volume control via the terminal unit
- Voice activity detection (VAD)
- Active Noise Reduction (ANR) capabilities with Elbit's Helmet (or customers helmet)
- Control console for system programming and monitoring
- GPS interface
- Comprehensive built-in-test
- Data interfaces: USB, RS-232, LAN
- Compliant with: MIL-STD-1275, MIL-STD-810E, MIL-STD-461E

Optional Features

- Scalable for up 20 users
- Scalable for up 12 radios
- Interface for Dismounted Soldier Radio

Central Unit (CU-500I)

- Interfacing with:
  - Up to 6 UTUs
  - 4 tactical HF/VHF/UHF radios
  - Telephone line
  - Alerts
  - GPS receiver
  - Loudspeaker connection
  - Soldier radio
  - Host connection with RS232, USB, LAN interfaces
  - External maintenance tools (configuration, software updates)
- Easy in-vehicle programmability

Commander Terminal Unit (UU-500I)

- Graphical LCD display and keypad
- Text messages communication (edit/send/receive)
- Data interface to data equipment (tactical computers, PDAs, etc.)
- Radio communication via CU-500I
- Interface with headset
- User-adjustable backlighting
- Control and configure of the unit and whole intercomm system

Crew member Terminal Unit (UU-501I)

- Communication selector of: radio transceivers, telephone lines and dismounted soldier radio
- Radio communication via CU-500I
- Data interface (tactical computers, PDAs, etc.)
- Interface with headset
- Volume control
- Multi-function LED indicator
- Selector of emergency break-in

Dual Crew member Terminal Unit (UU-501I-D)

- Support operation of two crew members
- Separate users selectors of: radio transceivers, telephone lines and dismounted soldier radio
- Interface with tactical radios via the CU-500I
- Data interface (tactical computers, PDAs, etc.)
- Interface with headset
- Separate users volume controls
- Multi-function LED indicator
- Selector of emergency break-in

Infantry Telephone Unit (UU-502I)

- All UU-501I functions
- Telephone/parking line interface
- External lamp interface
- Interface with headset/handset

Remote Panel (RP-501I)

- Expands functionality of UU-501I UU-502I, offers all the functionality of the UU-500I
- Maintenance terminal for system configuration

Dismounted Soldier Radio

- Includes soldier radio gateway
- Enables crew to move freely outside the vehicle
- Communication with crew members and other units over a 2km range

Helmet

- According to customers preference with or without Active Noise Reduction (ANR).

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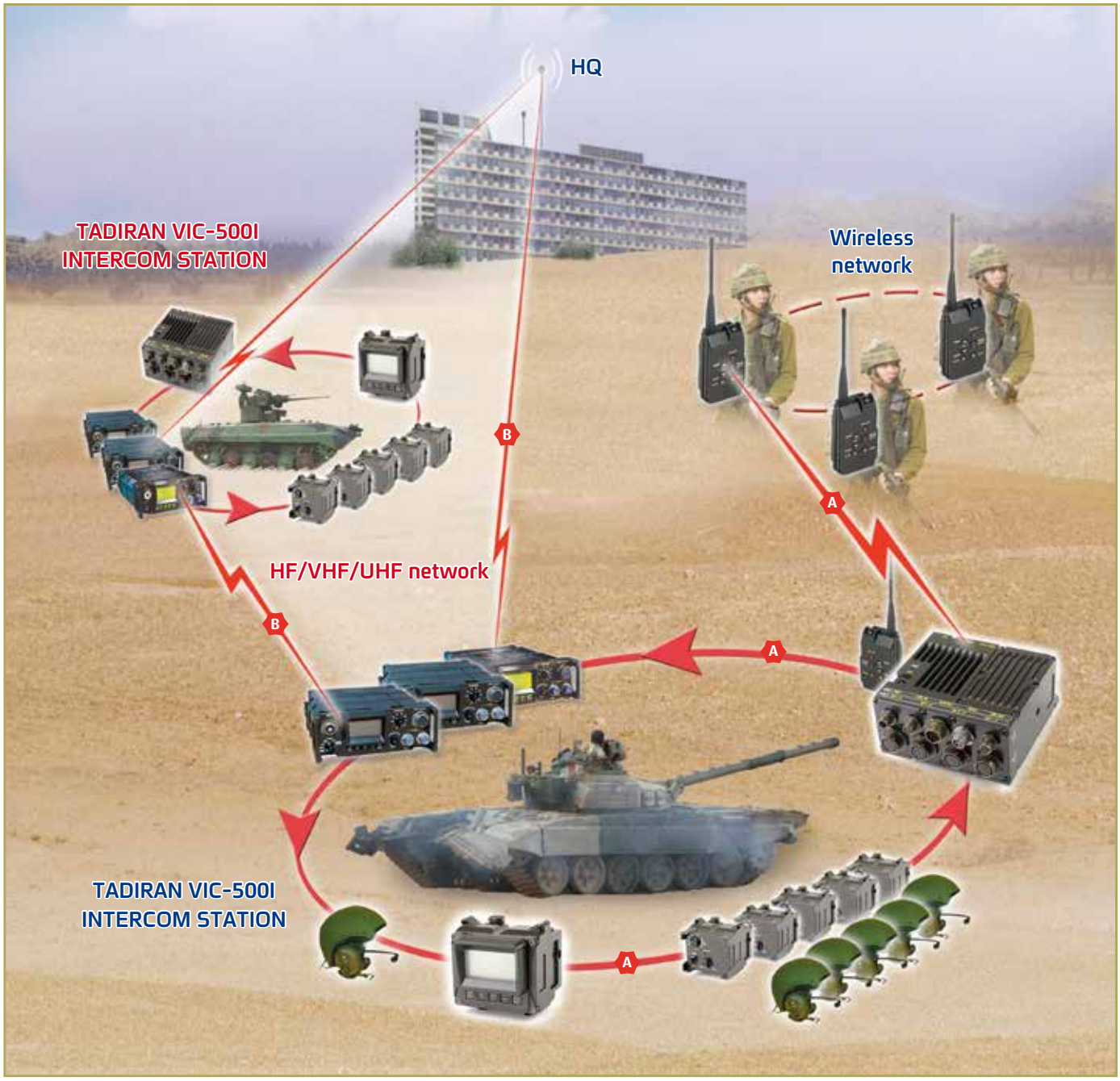

Tadiran VIC-500I inter-team and intra-team communications:

Crew members can communicate with:

- **A** Mounted and dismounted soldier via the local Tadiran VIC-500I Intercom system
- **B** Distant units and stations - other vehicles, division & battalion HQs, etc., via the CU-500I and the vehicle's VHF/HF/UHF transceivers

Elbit Systems™ Land and C⁴I

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